

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=9; day=19; hr=15; min=58; sec=15; ms=910;]

=====

Application No: 10574392 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-21 17:53:06.066
Finished: 2008-08-21 17:53:11.819
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 753 ms
Total Warnings: 0
Total Errors: 0
No. of SeqIDs Defined: 309
Actual SeqID Count: 309

SEQUENCE LISTING

<110> Yu, Kun
Tan, Patrick

<120> Materials and Methods Relating to Breast
Cancer Classification

<130> 4685-P04018US00

<140> 10574392
<141> 2008-08-21

<150> PCT/GB2004/004195

<151> 2004-10-01

<150> GB 0323225.3

<151> 2003-10-03

<160> 309

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 841

<212> DNA

<213> Homo Sapiens

<400> 1

accctcggtgcggtccggc cctgtccccgc gcaggcgcc tcgggctgcc gctggcttt 60
cgcacgcggc catggccgac tccgagctgc agctggtaa gcaagcgatc cgcaacttcc 120
ccgacttccc caccccgagc gtggattca gggacatctc gcccgtcctg aaggaccccg 180
cctccttccc cgccggccatc ggccctctgg cgccgacacct gaaggcgacc cacggggggcc 240
gcatacgacta catcgccggc cttagactccc gaggcttccct ttggggcccc tccctggccc 300
aggagcttgg actgggctgc gtgtcatcc gaaagcgggg gaagctgccca ggcccccactc 360
tgtgggcctc ctatcccgt gagtacggga aggctgagct ggagattcag aaagacgccc 420
tggagccagg acagagggtg gtctcggtgg atgatctgtt ggccacttggt ggaaccatga 480
acgctgcctg tgagctgctg ggccgcctgc aggctgaggt cctggagtgc gtgagcctgg 540
tggagctgac ctgcgttaag ggcaggaga agctggcacc tgtacccttc ttctctctcc 600
tgcagttatgtatgtt gtcggccatc ggcctccatc cccaaatctt ccagctggat cccaggaaaa 660
tatcagcctt gggcaactgc agtgaccagg ggcacccggct gcccacaggaa aacacatcc 720
tttgctgggg ttcaagcgctt ctccctggggc tggaaagtgcc aaagcctggg gcaaagctgt 780
gtttcaagcca cactgaaccc aattacacac agcggggagaa cgcaatggaaac agctttccca 840
c

841

<210> 2

<211> 3533

<212> DNA

<213> Homo Sapiens

<400> 2

gggtctcgcg gtttggggc gctactcgcc aggtggactc ggagtccgcg agcgtcg 60
gcaaggcgccc gccttccac ggttaaccgcg cgcggcgccc gagggcggtgg cgccggagccg 120
acggggacgt ccgcgtcg gaggcaggca gggaaaggcg gaggcgccc cgccccgagc 180

ttgtccttgt cgcgcaagta ctcgcgac tatgtcgcc cggcgctcg cccccgagccg 240
ccgcggcagc cggcggtggaa gggccacccc cgcggcagc cctcgagggt aggatgccag 300
gtcatctccc tctcagagac gttagggcgaa ggattccacc tcacggggg agttgcagcc 360
gatgccaacc tcgcctggg tggacctgca gagccctgct gcgcaggacg tgctgtttc 420
cagccctccc caaatgcatt cttagctat ccctcttgac tttgatgtt gttcaccaact 480
gacatacggc actccagct ctccggtaga gggacccca agaagtgggt ttaggggcac 540
acctgtgaga cagaggcctg acctgggctc tgcacagaag ggccctgcaag tggatctgca 600
gtctgacggg gcagcagcag aagatatagt ggcaagttag cagtcctctag gccaaaaact 660
tgtgatctgg ggaacagatg taaaatgtggc agcatgcaaa gaaaacttcc agagatttct 720
tcagcggttt attgaccctc tggctaaaga agaagaaaat gttggcatag atattactga 780
acctctatac atgcaacgc ttggggagat taatgttatt ggtgagccat ttttaatgt 840
gaactgtgaa cacatcaaata catggacaa aaatttgcac agacaactca tctcttaccc 900
acaggaagg attccaaactt ttgacatggc tgtcaatgaa atcttcttt accgttaccc 960
tgactcaatc tttagaacatc agattcaagt aagaccattc aacgcattga agactaagaa 1020
tatgagaaac ctgaatccag aagacattgca ccagctcattc accatcagcg gcatgggtat 1080
caggacatcc cagctgattc ccgagatgca ggaggccttc ttccagtggc aagtgtgtgc 1140
ccacacgacc cgggtggaga tggaccgcgg ccgcattgca gagcccagtg tggcgoggcg 1200
ctgccacacc acccacagca tggcactcat ccacaaccgc tccctttct ctgacaagca 1260
gatgatcaag cttagggagt cttccggaaaga catgcctgca gggcagacac cacacacagt 1320
tatccgttt gtcacaatg atctcggttca caaggtccag cctggggaca gagtgaatgt 1380
tacaggcattc tatcgagctg tgccatttc agtcaatcca agagttagt atgtgaagtc 1440
tgtctacaaa accccacattt atgtcattca ttatcgaaaa acggatgcaaa aacgtctgca 1500
tggccttgcgtt gaagaagcag aacagaaaact ttttcagag aaacgtgtgg aattgcttaa 1560
gaaactttcc aggaaaccag acatttatga gaggctgtc tcagccttgg ctccaagcat 1620
ttatgaacat gaagatataa agaagggaaat tttgcttcag ctcttggcg ggacaaggaa 1680
ggattttagt cacactggaa ggggcaattt tcgggctgag atcaacatct tgctgtgtgg 1740
cgaccctggt accagcaagt cccagctgtc gcagttacgtg tacaacctcg tccccagggg 1800
ccagttacacg tctggaaagg gtcggcgtgc agttggcctc actgcgtacg taatgaaaga 1860
ccctgagaca aggcagctgg tcctgcagac aggtgcctt gtcctgagtg acaacggcat 1920
ctgctgtatc gatgagttcg acaagatgaa tgaaagtaca agatcggtat tgcatgaagt 1980
catggaaacag cagactctgt ccattgcaaa ggctggatc atctgtcagc tcaatgcgcg 2040
cacctctgtc ctggcagcag caaatcccat tgagtctcag tggatcccta aaaaaacaac 2100
cattgaaaac atccagctgc ctcatacttt attatcaagg tttgatttga tcttcctt 2160
gctggaccct caggacgaag cctatgacag gcgtctggc caccacctgg tcgcactgt 2220
ctaccagagc gaggagcagg cagaggagga gtcctggac atggcggtgc taaaggacta 2280
cattgcctac gcgcacagca ccatcatgccc gcggctaagt gaggaaagcca gccaggctct 2340
catcgaggt tatgtagaca tgaggaagat tggcagttac cggggatgg tttctgcata 2400
ccctcgacag cttaggtcat taatccgtt agcagaagcc catgctaaag taagattgtc 2460
taacaaaattt gaagcattt atgtggaaaga ggccaaacgc ctccatggg aagctctgaa 2520
gcagtcgtca actgatcccc ggactggcat cgtggacata tctattctta ctacggggat 2580
gagtgcacc tctcgtaaac gggaaagaaga attagctgaa gcattgaaaa agcttatttt 2640
atctaaggggc aaaacaccag ctctaaaata ccagcaactt tttgaagata ttccgggaca 2700
atctgacata gcaattacta aagatatgtt tgaagaagca ctgcgtgccc tggcagatgt 2760
tgatttcctg acagtgactg gggaaagaccgt gcgcgttgc tgaagccttgc tgagcaagga 2820
aggctccctg catgtcctgc ttgctgcacc ccacatgggt gtggtctgca tctcagttgg 2880
ccgccccatcg tgtaaataga gcttaaagtc atgggttggc tgcataaaaaa ttttctaact 2940
tgggttcaat attttagtgc aagtatctgt tttcatttt ttacgttat aaataaaaaat 3000
actatgtgg cggggcgccgg tggctcacac ctgtatccc agcacttgg gaggccaatg 3060
tgggtggatc atgaggtcag gagttcaaga ccagcctagc caagatgggt aaaccccgctc 3120
tctagtaaag ataacaaaaa attagctggg ctgtatggca tgcgcctgtatc atcccagct 3180
ctcgggagggt tgaggcagga gaatcgctt aacccaggcg gcagagggttgc cagtcgtacca 3240
agatcgccccc actgcactcc agcctcagca atagagttagt actgtctcaa aaaaaaaaaaa 3300
aaaaaaaaaaa cctgccaattt ttcaaaacata ccgttagagat tattttcagg tgccatttta 3360
tagtatagca gcagggttt tactctgtt atgcacagat gcagtctggg gcatggtttgc 3420
tgtgctggac ttctcatgg ccatcatcag tatgctttagt gatttgcata caggcatagc 3480
ctggggcatat cacctcattt gtaaagggttgc agagccttcc ttttttatgg cac 3533

```
<210> 3  
<211> 3417  
<212> DNA  
<213> Homo Sapiens
```

<400> 3
gggtctcgcg gtttgggagc gctactcgcc aggtggactc ggagtccgcg agcgtcg 60
gcaagcggcc gccttccac ggtactccga gcactatgtc gtccccggcg tcgaccgg 120
gcccggcg cagccggcgt ggaaggccca ccccccggc gacgcctcg agtgaggatg 180
ccaggtcata tcccttcag agacgttagag gcgaggattc cacctccacg ggggagttgc 240
agccgatgcc aacctcgct ggagtggacc tgcaagagccc tgctgcgcag gacgtgctgt 300
tttccagccc tccccaaatg cattcttcag ctatccctt tgactttgt gttagttcac 360
caactgacata cggcactccc agctctcggt tagagggAAC cccaagaagt ggtgttaggg 420
gcacacctgt gagacagagg cctgacctgg gctctgcaca gaagggcctg caagtggatc 480
tgcagttcga cggggcagca gcagaagata tagtggcaag tgagcagtct ctaggccaaa 540
aacttgcgtat ctggggaaaca gatgtaaatg tggcagcatg caaagaaaaac tttagagat 600
ttcttcagcg ttttattgac cctctggcta aagaagaaga aatgttggc atagatatta 660
ctgaacctct atacatgcaa cgacttgggg agattaatgt tattggtagg ccattttaa 720
atgtgaactg tgaacacatc aaatcatttgc acaaaaattt gtacagacaa ctcatcttt 780
acccacagga agttatttca acttttgcata tggctgtcaa tggaaatcttc ttgaccgtt 840
accctgactc aatcttagaa catcagatc aagtaagacc attcaacgcg ttgaagacta 900
agaatatgag aaacctgaat ccagaagaca ttgaccagct catcaccatc agcggcatgg 960
tgcattcaggac atcccgatcg attcccgaga tgcaggaggc cttcttccag tgccaagtgt 1020
gtgcccacac gacccgggtg gagatggacc gcccggcat tgcagagccc agtgtgtcg 1080
ggcgtgcca caccacccac agcatggcac tcatccacaa cgcctccctc ttctctgaca 1140
agcagatgat caagtttcag gagtctccgg aagacatgcc tgcaggcag acaccacaca 1200
cagttatctt gtttgcac aatgatctcg ttgacaagg tgcaggctgg gacagagtga 1260
atgttacagg catctatcga gctgtgccta ttgcagtcaa tccaagagtg agtaatgtga 1320
agtctgtcta caaaacccac attgatgtca ttcatatcg gaaaacggat gcaaaacgtc 1380
tgcattggcct tgcattgttgc aactttttc agagaaacgt gtggatttc 1440
ttaaggaact ttccaggaaa ccagacattt atgagaggct tgcttcagcc ttggctccaa 1500
gcatttatga acatgaagat ataaaagaagg gaattttgtc tgcgtcttt ggcgggacaa 1560
ggaaggattt tagtcacact ggaaggggca aatttcgggc ttagatcaac atttgtctgt 1620
gtggcgaccc tggtaaccagc aagtcccgac tgctgcagta cgtgtacaac ctgcgtcccc 1680
ggggccagta cacgtctggg aagggtcga gtgcagttgg ctcactgcg tacgtaatga 1740
aagacccctga gacaaggcag ctggtcctgc agacagggtgc tcttgcctt agtgacaacg 1800
gcattctgtc tatcgatgag ttgcacaaga tgaatgaaag tacaagatcg gtattgcatt 1860
aagtcatgga acagcagact ctgtccatcg caaaggctgg gatcatctgt cagctcaatg 1920
cgccgaccc tgcattggca gcaagaaatc ccattggatc tgcgtggat cctaaaaaaaa 1980
caaccatgaa aacatccag ctgcctcata ctattttatc aagggttgc ttgatcttc 2040
tcttgcgttgc ccctcaggac gaaggctatg acaggcgtct ggctcaccac ctggcgcac 2100
tgtactacca gagcggaggag caggcagagg aggagcttgc gacatggcg tgctaaagg 2160
actacatgtc ctacgcgcac agcaccatca tgcccgccgt aagtggggaa gccagccagg 2220
ctctcatcga ggcttatgtt gacatggggaa agattggcag tagccggggaa atggttctg 2280
cataccctcg acagctagag tcattatcc gtttgcaga agcccatgtc aaagtaatgt 2340
tgtctaaacaa agttgaagcc attgatgtgg aagaggccaa acgcctccat cggggaaagtc 2400
tgaaggcgtc tgcaactgtat ccccgactg gcatcgatcg cttactacgg 2460
ggatgagtgc cacctctcgta aaacggaaag aagaatttgc tgaaggatggaaa 2520
ttttatctaa gggcaaaaca ccagctctaa aataccagca actttttgtt gatattcg 2580
gacaatctga catagcaatt actaaagata tgtttgcata agcactgcgt gcccggcag 2640
atgtatgtt cctgacagtg actggggaaa ccgtgcgtt gctctgcggc cttgtgagca 2700
aggaaggctc cctgcgttc tgcttgcgtc cacggccat ggggtgtggc tgcatttcag 2760
ttggccggca tgcgtgtaaa tagagcttgc tgcgtgcata aaaattttct 2820
aacttgggtt caatattgt agtgaagtat ctgtttcat tttttcaccg ttataaataa 2880
aaatactatg ctggccggc gcggtggcgc acacctgtaa tcccgactt ttgggaggcc 2940
aatgtgggtg gatcatgagg tcaggagttc aagaccagcc tagccaaatg ggtgaaaccc 3000
cgtctctgtt aaagataaca aaaaatttgc tgggttgc tgcattgcgc tgcattccca 3060

```
gctactcggg aggttgaggc aggagaatcg cttaaaccca ggccgcagag gttgcagtga 3120  
gccaagatcg cgccactgca ctccagcctc agcaaatagag tgagactgtc taaaaaaaaa 3180  
aaaaaaaaaaa aaaacctgcc aattttcaaa cataccgtag agattatttt caggtgccat 3240  
tttatagtat agcagcaggg cttttactct gtgtatgcac agatgcagtc tggggcatgg 3300  
tttgtgtgtc ggactttctc atggccatca tcagtatgtct tatggatttg atgacaggca 3360  
tagcctgggc atatcacctc attggtaaaag ggctagagcc ttctttttt atggcac 3417
```

<210> 4

<211> 2860

<212> DNA

<213> Homo Sapiens

<400> 4

ggagtccgcg agcgctgtcg gcaagcggcc gccttccac ggtactccga gcactatgtc 60
gtccccggcg tcgaccccgaa gcccggcgg cagccggcgt ggaagggccaa ccccccggcca 120
gacgcctcg agtgaggatg ccaggtcatc tccctctcg agacgttagag gcgaggattc 180
cacccacg ggggagttgc agccgatgcc aacctcgct ggagtggacc tgccagagccc 240
tgctgcgcag gacgtgtgt tttccagccc tccccaaatg cattcttcag ctatccctct 300
tgactttgtat gtttagttcac cactgacata cggcactccc agctctcgaa tagagggaaac 360
cccaagaagt ggtgttaggg gcacacctgt gagacagagg cctgacctgg gctctgcaca 420
gaagggcctg caagtggatc tgcaagtctga cggggcagca gcagaagata tagtgcaag 480
tgagcagtct cttagccaaa aacttgtgtat ctggggaaaca gatgtaaatg tggcagcatg 540
caaagaaaac tttagagat ttcttcagcg ttttattgac cctctggcta aagaagaaga 600
aaatgttggc atagatatta ctgaacacct atacatgcaa cgacttgggg agattaatgt 660
tatttgttagg ccattttaa atgtgaactg tgaacacatc aaatcatttg aaaaaaaattt 720
gtacagacaa ctcatctctt acccacagga agttattcca acttttgaca tggctgtcaa 780
tgaaatcttc tttgaccgtt accctgactc aatcttagaa catcagattc aagtaagacc 840
attcaacgca ttgaagacta agaatatgag aaacctgaat ccagaagaca ttgaccagct 900
catcaccatc agcggcatgg tgatcaggac atcccagctg attcccgaga tgccaggagggc 960
cttcttcag tgccaaagtgt gtgcccacac gacccgggtg gagatggacc gcggccgcat 1020
tgccagagccc agtgtgtgcg ggcgctgcca caccacccac agcatggcac tcatccacaa 1080
ccgctccctc ttctctgaca agcagatgtat caagcttcag gagtctccgg aagacatgcc 1140
tgccaggccag acaccacaca cagttatctt gtttgcctc aatgtatctcg ttgacaaggt 1200
ccagcctggg gacagagtgat atgttacagg catctatcga gctgtgccta ttcgagtc 1260
tccaagagtg agtaatgtga agtctgtcta caaaacccac attgtatgtca ttcattatcg 1320
gaaaacggat gcaaaacgatc tgcatggcct tgatgaagaa gcagaacaga aactttttc 1380
agagaaaacgt gtggaaattgc ttaaggaact ttccaggaaa ccagacattt atgagaggct 1440
tgcttcagcc ttggctccaa gcatttatga acatgaagat ataaagaagg gaattttgtct 1500
tcagctctt ggcgggacaa ggaaggatt tagtcacact ggaaggggca aatttcggc 1560
tgagatcaac atcttgtgt gtggcgaccc tggtaccagc aagtcccagg tgctgcagta 1620
cgtgtacaac ctgcgtcccca ggggcccagta cacgtctggg aagggctcca tgccagttgg 1680
cctcaactgcg tacgtaatga aagaccctga gacaaggcag ctggctctgc agacaggtgc 1740
tcttgtctg agtgcacaacg gcatctgtg tatcgatgag ttgcacagga tgaatgaaag 1800
tacaagatcg gtattgcattg aagtcatgga acagcagact ctgtccattt caaggctgg 1860
gatcatctgt cagctcaatg cgccgaccc tgcctggca gcagcaaattt ccatttgagtc 1920
tcagtgaaat cctaaaaaaaaa caaccattga aaacatccag ctgcctcata ctttattatc 1980
aaggtttgc ttgatcttcc tcatgtgttgc ccctcaggac gaagcctatg acaggcgtct 2040
ggctcaccac ctggtcgcac tgactacca gagcggaggag caggcagagg aggagctct 2100
ggacatggcg gtgtctaaagg actacattgc ctacgcgcac agcaccatca tgccgcggct 2160
aagtgaggaa gccagccagg ctctcatcga ggcttatgtt gacatgagga agattggcag 2220
tagccgggaa atggtttctg cataccctcg acagcttagag tcattatcc gcttagcaga 2280
agcccatgtt aaagtaagat tgtctaacaa agttgaagcc attgtatgtgg aagaggccaa 2340
acgcctccat cggaaagctc tgaagcagtc tgcaactgtat ccccgactg gcatcggtt 2400
catatctatt cttactacgg ggatgagttgc cacctctcgtaa acacggaaag aagaatttagc 2460
tgaagcattt gaaaagctta ttttatctaa gggcaaaaca ccagctctaa aataccagca 2520
acttttgaa gatattcgaa gacaatctga catagcaattt actaaagata tggttgaaga 2580
aagactgcgt qccctqggcq atqatqattt cctqacagtg actqggqaaga ccqtqccctt 2640

gctctgaagc cttgtgagca aggaaggcgc cctgcattgtc ctgtttgtc cacgccacat 2700
gggtgtggc tgcatttcgc ttggccgcca tcagttaaa tagagctaa agtcatgtt 2760
tggctgcata aaaattttct aacttgggtt caatatttgt agtgaagtat ctgttttcat 2820
tttttcacg ttataaataa aaataactatg ctggccggc 2860

<210> 5

<211> 2851

<212> DNA

<213> Homo Sapiens

<400> 5

gggagccgac gggaaacgtcc gcgcgtcgga gcagggcagg gaagccggga ggcggggccc 60
gccccagctt gtcctgtcg cgccaggact ccgagcacta tgcgtcccc ggcgtcgacc 120
ccgagccgccc gcccggccg gcgtggaaagg gccacccccc cccagacgccc tcggagtgag 180
gatgccaggcatcttc tcaagacgt agaggcgagg attccacctc cacgggggag 240
ttgcagccga tgccaacctc gcctggagtg gacctgcaga gccctgtgc gcaggacgtg 300
ctgttttcca gcccctccca aatgcattct tcaagctatcc ctcttgactt tgatgttagt 360
tcaccactga catacggcac tcccaagctt cgggttagagg gaaccccaag aagtgggtt 420
agggggcacac ctgtgagaca gaggccgtac ctgggccttg cacagaaggg cctgcaagtg 480
gatctgcagt ctgacggggc agcagcagaa gatatagtgg caagtgagca gtctcttaggc 540
caaaaaacttg tgatctgggg aacagatgtaa atgtggcag catgcaaaga aaactttcag 600
agattttttc agcgttttat tgaccctctg gctaaagaag aagaaaatgt tggcatagat 660
attactgaac ctctatacat gcaacactt ggggagatta atgttatttg tgagccattt 720
ttaaatgtga actgtgaaca catcaaataa tttgacaaaa atttgtacag acaactcatc 780
tcttacccac aggaagttat tccaactttt gacatggctg tcaatgaaat cttctttgac 840
cgttaccctg actcaatctt agaacatcag attcaagtaa gaccattcaa cgcatgtt 900
actaagaata tgagaaacctt gaatccagaa gacattgacc agtcatcac catcagccgc 960
atgggtgatca ggacatccca gctgattccc gagatgcagg aggccctttt ccagtgccaa 1020
gtgtgtgccc acacgacccg ggtggagatg gaccgcggcc gcattgcaga gcccagtgtg 1080
tgccggcgcgt gcccacaccac ccacagcatg gcactcatcc acaaccgctc ccttttctt 1140
gacaaggcaga tgatcaagct tcaggagctt ccggaagaca tgcctgcagg gcagacacca 1200
cacacagttt tccctgttgc tcacaatgtat ctcgttgaca aggtccagcc tggggacaga 1260
gtgaatgtta caggcatcta tcgagctgtg cctattcgag tcaatccaag agttagtaat 1320
gtgaagtctg tctacaaaac ccacattgtat gtcatttgcatt atcgaaaaac ggatgcacca 1380
cgtctgcattt gccttgatga agaagcagaa cagaaacttt tttcagagaa acgtgtggaa 1440
ttgcctaagg aacttccag gaaaccagac atttatgaga ggcttgcttc agccttggt 1500
ccaaggcattt atgaacatga agatataaaag aaggaaattt tgcttcagct cttggccgg 1560
acaaggaagg atttttgtca cactggaaagg ggcaaaatttc gggcttagat caacatctt 1620
ctgtgtggcg accctgttgc cagcaagtcc cagctgtgc agtacgtgtt caacctcgac 1680
cccagggggcc agtacacgctc tgggaaggcc tccagtgca gggcctcac tgcgtacgt 1740
atgaaagacc ctgagacaag gcagctggcc ctgcagacag gtgtctttgt cctgagtgac 1800
aacggcatct gctgtatcga tgagttcgac aagatgaatg aaagtacaag atcggattt 1860
catgaagtca tggaaacagca gactctgtcc attgcaaaagg ctggatcat ctgtcagctc 1920
aatgcgcga cctctgttgc tggacccat ggcagcagca aatcccattt agtctcagtg gaatcctaaa 1980
aaaacaacca ttgaaaacat ccagctgcct catabtttat tatcaagggtt tgatttgatc 2040
ttcctcatgc tggacccatca ggacgaagcc tatgacaggc gtctggctca ccacctggcc 2100
gcactgtact accagagcga ggagcaggca gaggaggagc tcctggacat ggcgggtgcta 2160
aaggactaca ttgcctacgc gcacagcacc atcatgcgc ggcataagtga ggaagccagc 2220
caggctctca tcgaggttgc tgcgtttgc tggacccat ggcgggtgcta 2280
tctgcataacc ctgcacagct agagtcattt atccgcattt cagaagccca tgctaaagta 2340
agattgtctt acaaaggatg agccatttgcat gtcggaaagg ccaaagccctt ccatcgccaa 2400
gctctgaagc agtctgcacat tgatccccgg actggcatcg tggacccatc tattttact 2460
acggggatgtg gtgcacccctc tcgtaaacgg aaagaagaat tagctgaagc attgaaaaag 2520
cttattttat ctaaggccaa aacaccagct ctaaaatacc agcaactttt tgaagatatt 2580
cggggacaat ctgacatagc aattactaaa gatatgtttg aagaagcact ggcgtgcctg 2640
gcagatgtatg atttccctgac agtgcactggg aagaccgtgc gtttgcctg aaggcctgtg 2700
agcaaggaag gctccctgca tgcctgtttt gctgcacgccc acatgggtt ggtctgcattc 2760

tcagttggcc gccatcagtg taaatagac taaaagtcat gggttggctg cataaaaatt 2820
ttctaacttg ggttcaaaaa aaaaaaaaaa a 2851

<210> 6

<211> 2921

<212> DNA

<213> Homo Sapiens

<400> 6

gcacgagggtg ccacatgcga tctctgagat atgtacacag tcattttac tatcgactc 60
agccattctt actacgctaa agaagaata attattcgag gatatttgcc tggcccagaa 120
gaaacttatg taaatttcat gaactattat atccgtttc ctcggagtga gagaaaaactc 180
tttttagata tcatttgaga ggttagttaat ttggcaccat ggggatacag ggattgctac 240
aatttatcaa agaagcttca gaacccatcc atgtgaggaa gtataaaggg caggttagtag 300
ctgtggatac atattgctgg ctccacaaag gagctattgc ttgtgctgaa aaactagcca 360
aaggtgaacc tactgatagg tatgttaggat tttgtatgaa atttgtaaat atgttactat 420
ctcatggat caagcttatt ctcgtatttg atggatgtac tttaccttct aaaaaggaaag 480
tagagagatc tagaagagaa agacgacaag ccaatttct taagggaaag caacttctc 540
gtgaggggaa agtctcgaa gctcgagat gttcacccg gtctatcaat atcacacatg 600
ccatggccca caaagtaatt aaagctgccg ggtctcaggg ggttagatt